

CLAIMS

What is claimed is:

1. A vaso-occlusive device, comprising:

a member having a length, at least a portion of the length having a

5 serpentine shape when the member is in a relaxed condition.

2. The vaso-occlusive device of claim 1, wherein the member

comprises a coil.

10 3. The vaso-occlusive device of claim 1, wherein substantially all of

the length of the member has a serpentine shape when the member is in a

relaxed condition.

4. The vaso-occlusive device of claim 1, wherein a distal portion of the

15 member has a serpentine shape when the member is in a relaxed condition.

5. The vaso-occlusive device of claim 1, the member having a

proximal portion, a middle portion and a distal portion, wherein the proximal

portion and the distal portion have a serpentine shape, and the middle portion is

20 a linear shape, respectively, when the member is in a relaxed condition.

6. The vaso-occlusive device of claim 1, wherein a proximal end of the member is electrolytically detachable from a delivery device.

7. The vaso-occlusive device of claim 1, wherein the serpentine shape 5 comprises an amplitude of about 5-30 millimeters.

8. The vaso-occlusive device of claim 1, wherein the member, when tensioned in a stretched condition, has a length at least 15 times an amplitude of the serpentine shape.

10 9. The vaso-occlusive device of claim 1, wherein the member has a distal end having a substantially J-shaped tip.

15 10. The vaso-occlusive device of claim 1, further comprising a plurality of fibers fixedly attached to the member.

11. The vaso-occlusive device of claim 1, further comprising a polymeric fiber substantially covering the member.

20 12. The vaso-occlusive device of claim 11, wherein the polymeric fiber is wrapped around and onto a circumferential surface of the member.

13. The vaso-occlusive device of claim 1, wherein the member is stretch-resistant.

14. A method of occluding a selected site in a vessel with a vaso-  
5 occlusive device having a length, at least a portion of the length having a serpentine shape when the member is in a relaxed condition, the method comprising:

accessing the site with a delivery apparatus;  
deploying the vaso-occlusive device from the delivery apparatus  
10 into the selected site of the vessel in a manner allowing a portion of the vaso-occlusive device to substantially assume its relaxed serpentine shape and form along a surface of the vessel at the site.

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